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#2

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RAW SEQUENCE LISTING   DATE: 03/19/2002
PATENT APPLICATION: US/10/086,882   TIME: 15:07:49

Input Set : A:\458d1-s1.txt
Output Set: N:\CRF3\03192002\J086882.raw

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 3 <110> APPLICANT: Wei, Ying-Fei et al.
 5 <120> TITLE OF INVENTION: Chemokine Alpha-6
 7 <130> FILE REFERENCE: PF458D1
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/086,882
C--> 9 <141> CURRENT FILING DATE: 2002-03-04
 9 <150> PRIOR APPLICATION NUMBER: 09/177,304
10 <151> PRIOR FILING DATE: 1998-10-23
12 <150> PRIOR APPLICATION NUMBER: 60/063,387
13 <151> PRIOR FILING DATE: 1997-10-24
15 <150> PRIOR APPLICATION NUMBER: 60/079,245
16 <151> PRIOR FILING DATE: 1998-03-25
18 <160> NUMBER OF SEQ ID NOS: 18
20 <170> SOFTWARE: PatentIn Ver. 3.1
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 422
24 <212> TYPE: DNA
25 <213> ORGANISM: Homo sapiens
27 <220> FEATURE:
28 <221> NAME/KEY: CDS
29 <222> LOCATION: (46)..(297)
31 <400> SEQUENCE: 1
32 gcccaggaaa acacctttgg gaacaaactc ttcctttgat ggaaa atg cag agg ccc  57
33                                                     Met Gln Arg Pro
34                                                      1
36 ttc ctc tct gtg ccg tgc ttg ctc ctc tta cct gcc cgg gtg gtt tgg  105
37 Phe Leu Ser Val Pro Cys Leu Leu Leu Leu Pro Ala Arg Val Val Trp
38   5                  10                  15                  20
40 ggg tgt tgg tgt ttc ctc cct gga gaa gat ggg gga ggc tgt ccc act  153
41 Gly Cys Trp Cys Phe Leu Pro Gly Glu Asp Gly Gly Gly Cys Pro Thr
42                  25                  30                  35
44 ccc agc tct ggc aga atc aag ctg ttg cag cag tgc ctt ctt cat cct  201
45 Pro Ser Ser Gly Arg Ile Lys Leu Leu Gln Gln Cys Leu Leu His Pro
46              40                  45                  50
48 tcc tta cga tca atc aca gtc tcc aga aga tca gct caa ttg ctg tgc  249
49 Ser Leu Arg Ser Ile Thr Val Ser Arg Arg Ser Ala Gln Leu Leu Cys
50          55                  60                  65
52 agg tta aaa cta cag aac cac atc cca aag gta cct ggt aag aat gtt  297
53 Arg Leu Lys Leu Gln Asn His Ile Pro Lys Val Pro Gly Lys Asn Val
54      70                  75                  80
56 tgaaagatct tccatttcta ggaaccccag tcctgcttct ccgcaatggc acatgcttcc  357
58 actccatcca tactggcatc ctcaaataaa cagatatgta tacataaaaa aaaaaaaaaa  417
60 aaaaa                                                             422
63 <210> SEQ ID NO: 2
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64 <211> LENGTH: 84
65 <212> TYPE: PRT
66 <213> ORGANISM: Homo sapiens
68 <400> SEQUENCE: 2
69 Met Gln Arg Pro Phe Leu Ser Val Pro Cys Leu Leu Leu Leu Pro Ala
70  1               5                   10                  15
72 Arg Val Val Trp Gly Cys Trp Cys Phe Leu Pro Gly Glu Asp Gly Gly
73              20                  25                  30
75 Gly Cys Pro Thr Pro Ser Ser Gly Arg Ile Lys Leu Leu Gln Gln Cys
76          35                  40                  45
78 Leu Leu His Pro Ser Leu Arg Ser Ile Thr Val Ser Arg Arg Ser Ala
79      50                  55                  60
81 Gln Leu Leu Cys Arg Leu Lys Leu Gln Asn His Ile Pro Lys Val Pro
82 65                  70                  75                  80
84 Gly Lys Asn Val
88 <210> SEQ ID NO: 3
89 <211> LENGTH: 75
90 <212> TYPE: PRT
91 <213> ORGANISM: Homo sapiens
93 <400> SEQUENCE: 3
94 Cys Lys Cys Ser Arg Lys Gly Pro Lys Ile Arg Tyr Ser Asp Val Lys
95  1               5                   10                  15
97 Lys Leu Glu Met Lys Pro Lys Tyr Pro His Cys Glu Glu Lys Met Val
98              20                  25                  30
100 Ile Ile Thr Thr Lys Ser Val Ser Arg Tyr Arg Gly Gln Glu His Cys
101          35                  40                  45
103 Leu His Pro Lys Leu Gln Ser Thr Lys Arg Phe Ile Lys Trp Tyr Asn
104      50                  55                  60
106 Ala Trp Asn Glu Lys Arg Arg Phe Tyr Glu Glu
107 65                  70                  75
110 <210> SEQ ID NO: 4
111 <211> LENGTH: 65
112 <212> TYPE: PRT
113 <213> ORGANISM: Homo sapiens
115 <400> SEQUENCE: 4
116 Cys Thr Cys Leu Arg Val Thr Leu Arg Val Asn Pro Lys Thr Ile Gly
117  1               5                   10                  15
119 Lys Leu Gln Val Phe Pro Ala Ala Pro Gln Cys Ser Lys Val Glu Val
120              20                  25                  30
122 Val Ala Ser Leu Lys Asn Gly Lys Gln Val Cys Leu Asp Pro Glu Ala
123          35                  40                  45
125 Pro Phe Leu Lys Lys Val Ile Gln Lys Ile Leu Asp Ser Gly Thr Arg
126      50                  55                  60
128 Asn
129 65
132 <210> SEQ ID NO: 5
133 <211> LENGTH: 65
134 <212> TYPE: PRT
135 <213> ORGANISM: Homo sapiens
```

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137 <400> SEQUENCE: 5
138 Cys Leu Cys Ile Gly Pro Gly Val Lys Ala Val Lys Val Ala Asp Ile
139  1               5                  10                  15
141 Glu Lys Ala Ser Ile Met Tyr Pro Ser Asn Asn Cys Asp Lys Ile Glu
142              20                  25                  30
144 Val Ile Ile Thr Leu Lys Glu Asn Lys Gly Gln Arg Cys Leu Asn Pro
145          35                  40                  45
147 Lys Ser Lys Gln Ala Arg Leu Ile Ile Lys Lys Val Glu Arg Lys Asn
148      50                  55                  60
150 Phe
151  65
154 <210> SEQ ID NO: 6
155 <211> LENGTH: 261
156 <212> TYPE: DNA
157 <213> ORGANISM: Homo sapiens
159 <400> SEQUENCE: 6
160 ggctgtccca ctcccagctc tggcagaatc aagctgttgc agcagtgcct tcttcatcct  60
162 tccttacgat caatcacagt ctccagaaga tcagctcaat tgctgtgcag gttaaaacta 120
164 cagaaccaca tcccaaaggt acctggtaag aatgtttgaa agatcttcca tttctaggaa 180
166 ccccagtcct gcttctccgc aatggcacat gcttccactc catccatact ggcatcctca 240
168 aataaacaga tatgtataca t                                            261
171 <210> SEQ ID NO: 7
172 <211> LENGTH: 260
173 <212> TYPE: DNA
174 <213> ORGANISM: Homo sapiens
176 <400> SEQUENCE: 7
177 gaggctgtcc actcccagct ctggcagaat caagctgttg cagcagtgcc ttcttcatcc  60
179 ttccttacga tcaatcacag tctccagaag atcagctcaa ttgctgtgag gttaaaacta 120
181 cagaaccaca tcccaaaggt acctggtaag aatgtttgaa agatcttcca tttctaggaa 180
183 ccccagtcct gcttctccgc aatggcacat gcttccactc catccatact ggcatcctca 240
185 aataaacaga tatgtataca                                              260
188 <210> SEQ ID NO: 8
189 <211> LENGTH: 242
190 <212> TYPE: DNA
191 <213> ORGANISM: Homo sapiens
193 <400> SEQUENCE: 8
194 tatgtataca tatctgttta tttgaggatg ccagtatgga tggagtggaa gcatgtgcca  60
196 ttgcggagaa gcaggactgg ggttcctaga aatggaagat ctttcaaaca ttcttaccag 120
198 gtacctttgg gatgtggttc tgtagtttta acctgcacag caattgagct gatcttctgg 180
200 agactgtgat tgatcgtaag gaaggatgaa gaaggcactg ctgcaacagc ttgattctgc 240
202 ca                                                                 242
205 <210> SEQ ID NO: 9
206 <211> LENGTH: 241
207 <212> TYPE: DNA
208 <213> ORGANISM: Homo sapiens
210 <400> SEQUENCE: 9
211 tatgtattca tatctgttta tttgaggatg ccagtatgga tggagtggaa gcatgtgcca  60
213 ttgcggagaa gcaggactgg ggtttctaga aatggaagat ctttcaaaca ttcttaccag 120
215 gtacctttgg gatgtggttc tgtagtttta acctgcacag caattgagct gatcttctgg 180
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RAW SEQUENCE LISTING   DATE: 03/19/2002
PATENT APPLICATION: US/10/086,882   TIME: 15:07:49

Input Set : A:\458d1-s1.txt
Output Set: N:\CRF3\03192002\J086882.raw

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217 agactgtgat tgatcgtaag gaaggatgaa gaaggcactg ctgcaacagc ttgattctgc 240
219 c                                                                241
222 <210> SEQ ID NO: 10
223 <211> LENGTH: 142
224 <212> TYPE: DNA
225 <213> ORGANISM: Homo sapiens
227 <220> FEATURE:
228 <221> NAME/KEY: misc_feature
229 <222> LOCATION: (31)
230 <223> OTHER INFORMATION: n equals a, t, g, or c
232 <400> SEQUENCE: 10
```
W--> 233 agaaccacat cccaaaggta cctggtaaga ntgtttgaaa gatcttccat ttctaggaac 60
```
235 cccagtcctg cttctccgca atggcacatg cttccactcc atccatactg gcatcctcaa 120
237 ataaacagat atgtatacat at                                          142
240 <210> SEQ ID NO: 11
241 <211> LENGTH: 105
242 <212> TYPE: DNA
243 <213> ORGANISM: Homo sapiens
245 <400> SEQUENCE: 11
246 gatctcccat ttctaggaac cccagtcctg cttctccgca atggcacatg cttccactcc 60
248 atccatactg gcatcctcaa ataaacagat atgtatacat ataaa                105
251 <210> SEQ ID NO: 12
252 <211> LENGTH: 427
253 <212> TYPE: DNA
254 <213> ORGANISM: Homo sapiens
256 <400> SEQUENCE: 12
257 atgtatacat atctgtttat ttgaggatgc cagtatggat ggagtggaag catgtgccat 60
259 tgcggagaag caggactggg gttcctagaa atggaagatc tttcaaacat tcttaccagg 120
261 tacctttggg atgtggttct gtagtttтаа cctgcacagc aattgagctg atcttctgga 180
263 gactgtgatt gatcgtaagg aaggatggag aaggcactgc tgcaacagct tgattctgcc 240
265 agagctggga gtgggacagc ctcccccatc ttctccaggg aggaaacacc aacacccca 300
267 aaccacccgg gcaggtaaga ggagcaagca cggcacagag aggaagggcc tctgcatttt 360
269 ccatcaaagg aagagtttgt tcccaaaggt gttttcctgg gcttcattta cttttgctcc 420
271 taataat                                                          427
274 <210> SEQ ID NO: 13
275 <211> LENGTH: 345
276 <212> TYPE: DNA
277 <213> ORGANISM: Homo sapiens
279 <220> FEATURE:
280 <221> NAME/KEY: misc_feature
281 <222> LOCATION: (53)
282 <223> OTHER INFORMATION: n equals a, t, g, or c
284 <220> FEATURE:
285 <221> NAME/KEY: misc_feature
286 <222> LOCATION: (129)
287 <223> OTHER INFORMATION: n equals a, t, g, or c
289 <220> FEATURE:
290 <221> NAME/KEY: misc_feature
291 <222> LOCATION: (179)
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RAW SEQUENCE LISTING   DATE: 03/19/2002
PATENT APPLICATION: US/10/086,882   TIME: 15:07:49

Input Set : A:\458dl-sl.txt
Output Set: N:\CRF3\03192002\J086882.raw

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       292 <223> OTHER INFORMATION: n equals a, t, g, or c
       294 <220> FEATURE:
       295 <221> NAME/KEY: misc_feature
       296 <222> LOCATION: (194)
       297 <223> OTHER INFORMATION: n equals a, t, g, or c
       299 <220> FEATURE:
       300 <221> NAME/KEY: misc_feature
       301 <222> LOCATION: (216)
       302 <223> OTHER INFORMATION: n equals a, t, g, or c
       304 <220> FEATURE:
       305 <221> NAME/KEY: misc_feature
       306 <222> LOCATION: (250)
       307 <223> OTHER INFORMATION: n equals a, t, g, or c
       309 <220> FEATURE:
       310 <221> NAME/KEY: misc_feature
       311 <222> LOCATION: (280)
       312 <223> OTHER INFORMATION: n equals a, t, g, or c
       314 <220> FEATURE:
       315 <221> NAME/KEY: misc_feature
       316 <222> LOCATION: (291)
       317 <223> OTHER INFORMATION: n equals a, t, g, or c
       319 <220> FEATURE:
       320 <221> NAME/KEY: misc_feature
       321 <222> LOCATION: (296)
       322 <223> OTHER INFORMATION: n equals a, t, g, or c
       324 <220> FEATURE:
       325 <221> NAME/KEY: misc_feature
       326 <222> LOCATION: (344)
       327 <223> OTHER INFORMATION: n equals a, t, g, or c
       330 <400> SEQUENCE: 13
W--> 331 gcccaggaaa acacctttgg gaacaaactc ttcctttgat ggaaaatgca gangcccttc   60
       333 ctctctgtgc cgtgcttgct cctcttacct gcccgggtgg tttgggggtg ttggtgtttc  120
W--> 335 ctccctggna gaagatgggg gaggctgtcc cactcccagc tctggtcagg aatgcaagnt  180
W--> 337 gttggcagca gtgnccttct tgcatgcctt gccttnacgg atgcaatgca cagtgctccc  240
W--> 339 agaaaggatn cagtctacaa tttggctggt ggcaggtttn aaaaaactga nccagnaacc  300
W--> 341 caacatgccc aaaggttaac ctgggttcaa agaaatgttt ttgna                   345
       344 <210> SEQ ID NO: 14
       345 <211> LENGTH: 142
       346 <212> TYPE: DNA
       347 <213> ORGANISM: Homo sapiens
       349 <220> FEATURE:
       350 <221> NAME/KEY: misc_feature
       351 <222> LOCATION: (31)
       352 <223> OTHER INFORMATION: n equals a, t, g, or c
       354 <400> SEQUENCE: 14
W--> 355 agaaccacat cccaaaggta cctggtaaga ntgtttgaaa gatcttccat ttctaggaac   60
       357 cccagtcctg cttctccgca atggcacatg cttccactcc atccatactg gcatcctcaa  120
       359 ataaacagat atgtatacat at                                          142
       362 <210> SEQ ID NO: 15
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VERIFICATION SUMMARY   DATE: 03/19/2002
PATENT APPLICATION: **US/10/086,882**   TIME: 15:07:50

Input Set : **A:\458dl-sl.txt**
Output Set: **N:\CRF3\03192002\J086882.raw**

```
L:9 M:270 C: Current Application Number differs, Replaced Current Application No
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:233 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:331 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:335 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:337 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:339 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:341 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:355 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
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